

FIGURE 1

Tolorogen attoles/Mouse

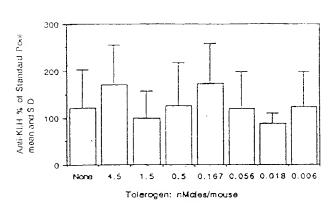


FIGURE 2

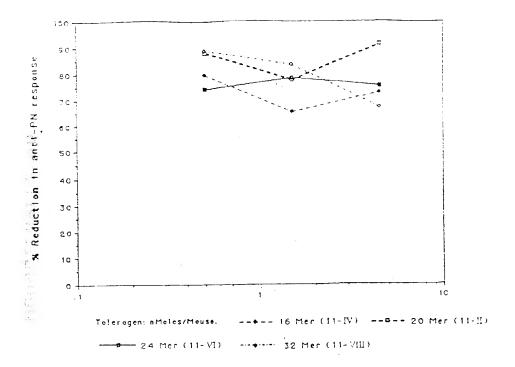
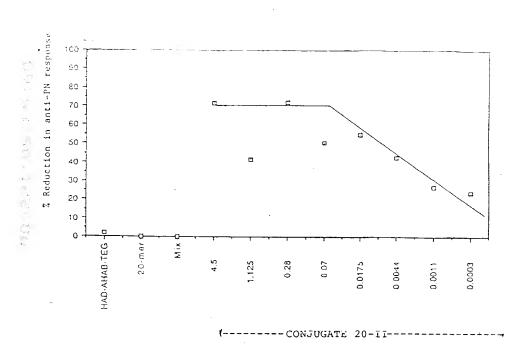
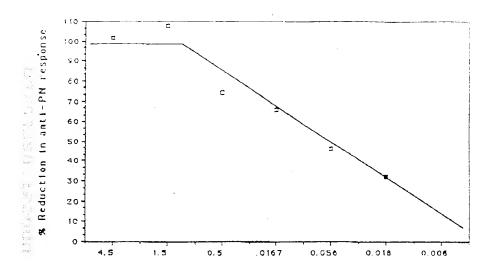


FIGURE 3



Tolerogen: nmoles/mouse

FIGURE 4



Tolerogen: nMoles/Mouse

FIGURE 5

BAHA_{ox}-EDDA 11-1, PN = (CA)₁₀ 11-11, PN = (CA)₁₀, (TG)₁₀ 11-11, PN = (CA)₈, (TG)₈ 11-VI, PN = (CA)₁₂, (TG)₁₂ 11-VII, PN = (CA)₁₆, (TG)₁₆

FIGURE 6A

$$\begin{array}{c} \mathsf{CH_2CONH(CH_2)_6NHCOCH_2S(CH_2)_6O} \\ \mathsf{CH_2OCH_2CH_2NHCOCH_2CH_2CON} \\ \mathsf{CH_2OCH_2CH_2NHCOCH_2CH_2CON} \\ \mathsf{BAHA-EDDA} \\ & \begin{array}{c} \mathsf{CH_2CONH(CH_2)_6NHCOCH_2S(CH_2)_6O} \\ \mathsf{P}-\mathsf{O-PN} \\ \mathsf{O} \\ \mathsf{P}-\mathsf{O-PN} \\ \mathsf{O} \\ \mathsf{O}$$

 $\begin{array}{c} \text{HO(CH$_2$)$_6SCH$_2$COHN(CH$_2$)$_5CONH} \\ \text{N} \\ \begin{array}{c} \text{O} \\ \text{N} \\ \end{array} \\ \begin{array}{c} \text{O} \\ \text{O} \\ \text{CH$_2$CH$_2$O)$_2$CH$_2$CH$_2$O} \\ \\ \text{HO(CH$_2$)$_6SCH$_2$COHN(CH$_2$)$_5CONH} \\ \end{array} \\ \begin{array}{c} \text{O} \\ \text{N} \\ \text{NHCO(CH$_2$)$_5NHCOCH$_2$S(CH$_2$)$_6OH} \\ \\ \text{HAD-AHAB-TEG} \end{array}$

FIGURE 7

T Cell Proliferation Induced by Mellitin Peptides

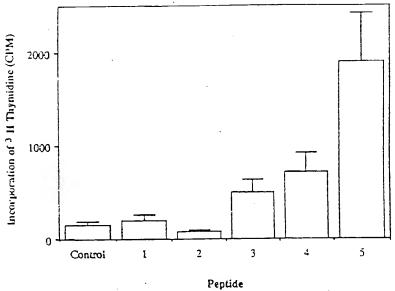
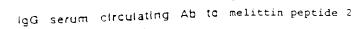
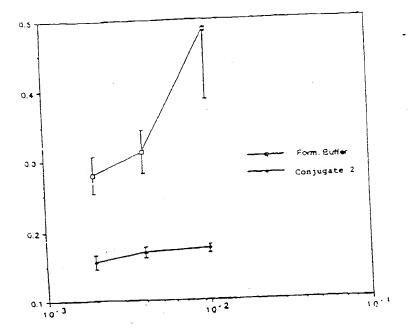


FIGURE 8

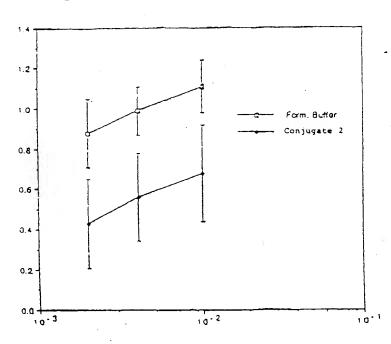




serum dilution

FIGURE 9

IgG serum circulating levels to Melittin



O.D. 450 nm

serum dilution

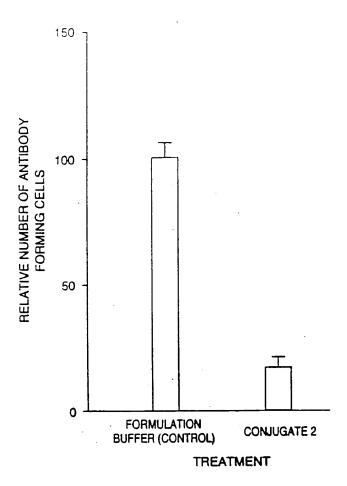
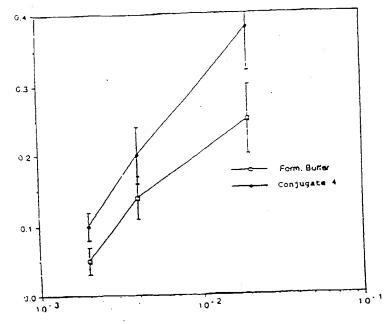


FIGURE 11

O.D. 450 AM TO THE TOTAL TOTAL TOTAL



serum dilution

FIGURE 12

Melittin Peptide Conjugates

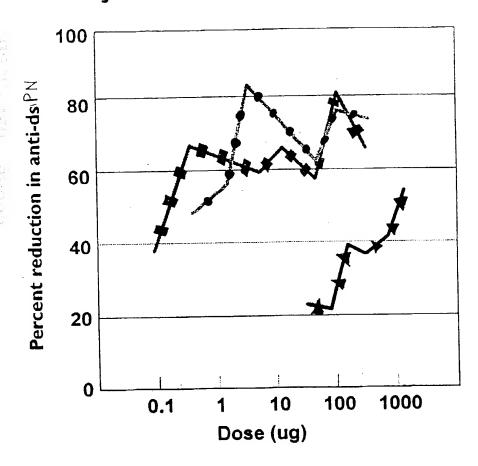
Melittin Conjugate # 1, R * H2N-Trp-IIe-Lys-Arg-Lys-Arg-GIn-GIn-Lys-Cys-GIy-CO₂H

Average n = approx. 74

Meintin Conjugate # 3, R = HzN-Trp-lie-Lys-Arg-Lys-Arg-Gin-Gin-Lys-Cys-Gly-CO₂H Meintin Conjugate # 4, R = HzN-Cys-lie-Ser-Trp-lie-Lys-Arg-Lys-Arg-Gin-Gin-Giy-CO₂H Meintin Conjugate # 5, R = (HzN-Trp-lie-Lys-Arg-Lys-Arg-Gin-Gin)₂-Lys-Cys-Gy-CO₂H Melitin Conjugate # 2, R = H₂N-Cys-Trp-IIe-Lys-Arg-Lys-Arg-Gln-Gln-Gly-CO₂H

Melittin peptides attached through sulfur atom on added cysteine, average n = approx. 74

Inhibition of Anti-ds^{PN} by LJP- 249 and LJP- 105



---LJP- 249 A ---LJP- 249 B---LJP- 105

FIGURE 15